This listing of claims will replace all prior versions, listings, of claims in the application:

Listing of Claims:

1. (currently amended) A process for producing plastic/wood fiber composite foamed structures comprising the steps of:

pre-drying wood fiber filler having a degradation temperature and an active volatization temperature and maintaining the pre-drying temperature below the degradation temperature to produce dried wood fiber filler;

mixing the dried wood fiber filler with plastic to produce a plastic/wood fiber mixture and maintaining the mixing temperature below the active volatilizing temperature;

feeding the plastic/wood fiber mixture into an extruder and maintaining the temperature of the plastic/wood fiber mixture below the active volatilizing temperature;

introducing a blowing agent into the plastic/wood fiber mixture and mixing it therewith to produce a plastic/wood fiber/gas mixture and maintaining the temperature of the plastic/wood fiber/gas mixture below the active volatilizing temperature;

subjecting the plastic/wood fiber/gas mixture to high shear forces in the presence of high pressures and maintaining the <u>a processing temperature below</u> the active volatilizing temperature; and

extruding the plastic/wood fiber/gas mixture to produce a plastic/wood fiber composite foamed structure and maintaining the temperature of the plastic/wood

fiber/gas mixture below the active volatilizing temperature.

- (original) A process as claimed in claim 1 wherein the pre-drying temperature is 2. between the active volatilization temperature and the degradation temperature.
- (original) A process as claimed in claim 1 wherein the pre-drying temperature is 3. below 180°C.
- (original) A process as claimed in claim 3 wherein the mixing temperature is below 170°C.
- (original) A process as claimed in claim 4 wherein the processing temperature is 5. below 170°C.
- (original) A process as claimed in claim 1 wherein the mixing temperature is 6. below 170°C.
- (original) A process as claimed in claim 1 wherein the processing temperature is 7. below 170°C.
- 8. (cancelled)

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- (original) A process as claimed in claim 1 wherein the blowing agent is a physical 9. blowing agent.
- (previously presented) A process as claimed in claim 9 wherein the physical 10. blowing agent is selected from the group consisting of non-reactive gases CO2, N2, He, Ar, Air, and mixtures thereof.
- 11. (original) A process as claimed in claim 1 wherein the blowing agent is a chemical blowing agent.
- 12. (cancelled)
- (original) A process as claimed in claim 5 wherein the blowing agent is a physical 13. blowing agent.
- (previously presented) A process as claimed in claim 13 wherein the physical 14. blowing agent is selected from the group consisting non-reactive gases CO2, N2, He, Ar, Air, and mixtures thereof.
- 15. (original) A process as claimed in claim 5 wherein the blowing agent is a chemical blowing agent.
- 16. (original) A process as claimed in claim 1 further including the step of reducing

the temperature of the plastic/wood fiber/gas mixture prior to the step of extruding thereby stabilizing the cell structure in the plastic/wood fiber/gas mixture.

- 17. (original) A process as claimed in claim 16 wherein the temperature is reduced in one of a cooling extruder and a heat exchanger.
- 18. (original) A process as claimed in claim 5 further including the step of reducing the temperature of the plastic/wood fiber/gas mixture prior to the step of extruding thereby stabilizing the cell structure in the plastic/wood fiber/gas mixture.
- 19. (original) A process as claimed in claim 18 wherein the temperature is reduced in one of a cooling extruder and a heat exchanger.
- 20. (original) A process as claimed in claim 8 further including the step of reducing the temperature of the plastic/wood fiber/gas mixture prior to the step of extruding thereby stabilizing the cell structure in the plastic/wood fiber/gas mixture.
- 21. (original) A process as claimed in claim 20 wherein the temperature is reduced in one of a cooling extruder and a heat exchanger.
- 22. (original) A process as claimed in claim 9 further including the step of reducing the temperature of the plastic/wood fiber/gas mixture prior to the step of extruding thereby stabilizing the cell structure in the plastic/wood fiber/gas mixture.

- 23. (original) A process as claimed in claim 22 wherein the temperature is reduced in one of a cooling extruder and a heat exchanger.
- 24. (original) A process as claimed in claim 11 further including the step of reducing the temperature of the plastic/wood fiber/gas mixture prior to the step of extruding thereby stabilizing the cell structure in the plastic/wood fiber/gas mixture.
- 25. (original) A process as claimed in claim 24 wherein the temperature is reduced in one of a cooling extruder and a heat exchanger.
- 26. (cancelled)
- 27. (cancelled)
- 28. (cancelled)
- 29. (cancelled)
- 30. (cancelled)
- 31. (cancelled)
- 32. (cancelled)

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- 33. (cancelled)
- 34. (cancelled)
- 35. (cancelled)
- 36. (cancelled)
- 37. (cancelled)
- 38. (cancelled)
- 39. (cancelled)
- 40. (cancelled)
- 41. (cancelled)
- 42. (cancelled)
- 43. (cancelled)

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- 44. (cancelled)
- 45. (cancelled)
- (original) A process as claimed in claim 1 wherein the extruder is one of a twin 46. screw extruder and a single screw extruder.
- (original) A process as claimed in claim 5 wherein the extruder is one of a twin 47. screw extruder and a single screw extruder.
- 48. (cancelled)
- (original) A process as claimed in claim 9 wherein the extruder is one of a twin 49. screw extruder and a single screw extruder.
- 50. (original) A process as claimed in claim 11 wherein the extruder is one of a twin screw extruder and a single screw extruder.
- 51. (original) A process as claimed in claim 16 wherein the extruder is one of a twin screw extruder and a single screw extruder.

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- (original) A process as claimed in claim 18 wherein the extruder is one of a twin 52. screw extruder and a single screw extruder.
- (original) A process as claimed in claim 20 wherein the extruder is one of a twin 53. screw extruder and a single screw extruder.
- 54. (original) A process as claimed in claim 22 wherein the extruder is one of a twin screw extruder and a single screw extruder.
- (original) A process as claimed in claim 24 wherein the extruder is one of a twin 55. screw extruder and a single screw extruder.
- (cancelled) 56.
- 57. (cancelled)
- 58. (cancelled)
- 59. (cancelled)
- 60. (cancelled)

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- 61. (cancelled)
- 62. (cancelled)
- 63. (cancelled)
- 64. (cancelled)
- 65. (cancelled)
- 66. (currently amended) A process for producing plastic/wood fiber composite foamed structures comprising the steps of:

pre-drying wood fiber filler to produce dried wood fiber filler;

mixing the dried wood fiber filler with plastic to produce a plastic/wood fiber mixture and maintaining the mixing temperature below the active volatizing temperature;

feeding the plastic/wood fiber mixture into an extruder and maintaining the temperature of the plastic/wood fiber mixture below the active volatizing temperature;

mixing a physical blowing agent into the plastic/wood fiber mixture to produce a plastic/wood fiber/gas mixture and maintaining the temperature of the plastic/wood fiber/gas mixture below the active volatilizing temperature;

subjecting the plastic/wood fiber/gas mixture to high shear forces in the presence

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of high pressures <u>and maintaining a processing temperature below the active</u> <u>volatilizing temperature</u>; and

extruding the plastic/wood fiber/gas mixture to produce a plastic/wood fiber composite foamed structure and maintaining the temperature of the plastic/wood fiber/gas mixture below the active volatilizing temperature.

- 67. (original) A process as claimed in claim 66 further including the step of reducing the temperature of the plastic/wood fiber/gas mixture prior to the step of extruding thereby stabilizing the cell structure in the plastic/wood fiber/gas mixture.
- 68. (previously presented) A process as claimed in claim 67 wherein the physical blowing agent is selected from the group consisting of CO_2 and N_2 ,